U.S. Department of Commerce
National Institute of Standards and Technology
Gaithersburg, MD 20899-2350

Certificate Number: 99-185

National Type Evaluation Program

Certificate of Conformance

for Weighing and Measuring Devices

For:

Positive Displacement Meter for
Retail Motor Fuel Dispenser
Models: T19976-G1 and T19976-G2
Generic Name: "C+" Meter, "ACCUFLOW"

Submitted by:

Marconi Commerce Systems Inc.
(formerly Gilbarco Inc.)
7300 W. Friendly Ave.
Greensboro, NC 27420
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Contact: Gordon Johnson

Standard Features and Options

Standard flow rate for single meter and single hose: 12 gpm to 1.5 gpm
"High" gallonage flow rate for single meter, two hoses: 25 gpm to 3 gpm
"Super High" gallonage flow rate for electronic dispensers only, two meters in parallel, two hoses: 40 gpm to 8 gpm
Electronic calibration with the Marconi Commerce Systems Inc. "E-Cal" function
4-piston positive displacement meter with a horizontal stroke and flow through design

NOTE: All flow rate configurations are approved for diesel fuel.

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: March 23, 2000

Marconi Commerce Systems Inc.
Positive Displacement Meter for Retail Motor Fuel Dispenser
Models: T19976-G1 and T19976-G2

Application: The meters are for use in approved and compatible retail motor fuel dispensers. These dispensers may dispense diesel fuel, gasoline, gasoline/ethanol, and gasoline/methanol blend types of products.

Identification: The meter has three (3) distinct permanent identification marks:

The Marconi Commerce Systems Inc. logo (an arrow "G") is cast on the piston end caps. The meter model number is stamped on the side of the piston protrusion.

Sealing: The top cover of all T19976-G1 and T19976-G2 meters are sealed from the factory with a tamper-proof seal and decal containing the Marconi Commerce Systems Inc. name or logo and a non-repetitive serial number. The piston end caps are provided with holes that may be used for sealing.

Operation: The meters are electronically calibrated and may be used in retail motor fuel dispensers along with other approved associated equipment.

Test Conditions: This Certificate is issued based on information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 98-056 to Marconi Commerce Systems Inc. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Number 98-056 are listed below for reference.

Certificate of Conformance Number 98-056: Meters were tested in both the laboratory and in a multi-product dispenser at a field site. The meters were calibrated, tested for accuracy, and sealed in both test sites. The meters were retested after 1 000 000 gallons of product was run through the meters in the laboratory and after more than 28 000 gallons of product was dispensed at the field site. The meters were found to be accurate and within acceptance tolerances and met all applicable requirements.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: Ronald Murdock, Wayne Scruton (NC)

Information Reviewed By: L. Sebring (NIST) and G. Newrock (NIST) 99-185